

NASA

NASA – “Environmental Excellence for the Twenty-First Century”

VISION: NASA will continue as a world leader in space exploration and aeronautics while maintaining environmental excellence

NASA’s environmental strategy provides the framework and guidance necessary to attain our environmental vision. *** The full spectrum of environmental needs can be expressed in four principal areas – prevention, compliance, restoration, and conservation.

| GOALS | SPECTRUM OF ENVIRONMENTAL NEEDS IN FOUR PRINCIPAL AREAS | | | |
|--------|---|---|---|--|
| | <u>Prevention</u> | <u>Compliance</u> | <u>Restoration</u> | <u>Conservation</u> |
| | Implement an integrated management approach to minimize environmental contamination and pollution | Ensure that all operations meet and maintain compliance with environmental laws and regulations | Clean up contaminated sites | Protect and enhance natural and cultural resources |
| Goal 1 | Incorporate pollution prevention considerations in all agency decisions | Bring all current operations into compliance | Clean up contaminated sites as rapidly as funds permit | Assess and protect natural resources |
| Goal 2 | Develop visibility for implementing pollution prevention | Enhance management visibility | Establish and maintain a positive reputation with the regulators and the public | Enhance recycling and energy conservation programs |
| Goal 3 | | Develop and implement a compliance monitoring program | | |

U.S. ARMY

| U.S. Army – “The Army Strategy for the Environment” | | | |
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| <u>VISION:</u> Sustain the mission, -- secure the future Sustainable operations, installations, systems, and communities enabling the Army mission. | | | |
| The term “sustainability” may be different meanings in different contexts. For the purposes of this Strategy, a sustainable Army simultaneously meets current as well as future mission requirements world-wide, safeguards human health, improves quality of life, and enhances the natural environment. *** We must strive to become systems thinkers if we are to benefit from the interrelationships of the triple bottom line of sustainability: mission, environment, and community. | | | |
| GOALS | THE ARMY’S SUSTAINABILITY TRIPLE BOTTOM LINE | | |
| | <u>Mission</u> | <u>Environment</u> | <u>Community</u> |
| Goal 1 | <u>Foster a sustainability ethic:</u> Foster an ethic within the Army that takes us beyond environmental compliance to sustainability. | | |
| Goal 2 | <u>Strengthen Army operations:</u> Strengthen Army operational capability by reducing our environmental footprint through more sustainable practices. | | |
| Goal 3 | <u>Meet test, training, and mission requirements:</u> Meet current and future training, testing, and other mission requirements by sustaining land, air, and water resources. | | |
| Goal 4 | <u>Minimize impacts and total ownership costs:</u> Minimize impacts and total ownership costs of Army systems, materiel, facilities, and operations by integrating the principles and practices of sustainability. | | |
| Goal 5 | <u>Enhance well-being:</u> Enhance the well-being of our soldiers, civilians, families, neighbors and communities through leadership in sustainability. | | |
| Goal 6 | <u>Drive innovation:</u> Use innovative technology and the principles of sustainability to meet user needs and anticipate future Army challenges. | | |

NAVY

Commander Navy Region Northwest – “Sustainability Program Goals”

VISION: One team – one vision

Navy Region Northwest exists first and foremost to support the Fleet. Our support is essential to provide Naval forces ready and able to execute our Nation’s defense requirements. To focus its efforts, Commander Navy Region Northwest (CNRNw) has adopted Sustainability as the guiding principal for strategic planning of mission and installation management.

Sustainability connects our activities today to those of tomorrow with sound business practices, personnel management, community relationships, and environmental stewardship. *** We must strive to become system thinkers if we are to benefit from the interrelationships of the triple bottom line of sustainability: mission, community, and environment. *** Commander Navy Region Northwest will link the strategic planning cycle, the annual business plan development, and the continuous improvement process of the Sustainability Management System to sustain the Navy mission, uphold the community, and protect the environment.

| THEMES/ GOALS | THE ARMY’S SUSTAINABILITY TRIPLE BOTTOM LINE | | |
|------------------|---|--|---|
| | <u>Mission</u> | <u>Community</u> | <u>Environment</u> |
| | The mission of the Navy is to maintain, train, and equip combat-ready naval forces capable of winning wars, deterring aggression, and maintaining freedom of the seas. CNRNw will support the Navy mission through effective management of military assets and by developing and supporting a qualified and well-trained workforce. | The people, places, organizations, and agencies that live or operate in the vicinity of the Command and have the potential to be affected by or to affect Navy activities. Partnerships between the Region and the community provide benefits to both by lowering project costs, fostering good relationships, building advocates for programs, and sharing costs and resources efficiently. *** Partnering with the community is essential for the Navy to successfully address complex encroachment, personnel, and economic issues. | The complex of physical, chemical, and biotic factors that have the potential to support or restrict Navy activities. CNRNw environmental conservation and preservation efforts contribute to ensuing continued access to essential resources, such as clean water, air and land; protecting human and community health; and conserving the viability and diversity of species, habitats, and ecosystems. |
| THEME A | <i>Military Assets</i> | <i>Smart Growth</i> | <i>Resource Conservation</i> |
| Goal 1 | CNRNw will manage ranges and installations in a sustainable way to meet current and emerging needs. | CNRNw will participate in cooperative land use planning within military services and between communities. | CNRNw will reduce energy and increase energy efficiency |
| Goal 2 | CNRNw will promote and support the continual improvement of military assets through the adoption of improved technologies and improved design, maintenance, and operational practices. | CNRNw will partner with the community to enhance its operations | CNRNw will increase knowledge and awareness of resource conservation issues |
| Goal 3 | | CNRNw will build sustainable facilities | CNRNw will implement sustainable resource and materials management practices |
| Goal 4 | | | CNRNw will reduce pollutant discharges to air, water, and land. |
| THEME B | <i>Human Capital</i> | <i>Education</i> | <i>Natural Resources</i> |
| Goal 1 | CNRNw will develop and enhance human capital | CNRNw will support local training, apprenticeship programs, and hiring practices. | CNRNw will promote native species and habitat conservation |
| Goal 2 | CNRNw will enhance the quality of service by leveraging technology | CNRNw will provide sustainability training to all personnel | CNRNw will foster effective stewardship through partnerships |

SUSTAINABILITY TRIPLE BOTTOM LINE

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|--|------------------------------------|---------------|--------------------------|
| Elkington | Environment | Economy | Equity |
| Shell Oil | Planet | People | Profit |
| EPA | Planet | People | Prosperity |
| Army | Mission | Environment | Community |
| Navy | Mission | Community | Environment |
| Sam's | Planet | People | Performance |
| President's Commission on Space Exploration | Public Ownership | Affordability | Confidence (credibility) |
| NASA – Gary Martin: Space Exploration | Affordability | Flexibility | “Evolveability” |
| NASA: Exploration Systems Directorate | Affordability and Effectiveness | Flexibility | Reliability and Safety |